

the colored compounds obtained from sodic alcoholates and picrylchloride, by O. Loring Jackson and W. F. Boos. 8°. Pp. 173-182. No. 11. February, 1898. The Analysis of the Action of the vagus nerve upon the heart. By Dr. L. J. J. Muskens. 8°. Pp. 185-188. No. 12. February, 1898. Certain considerations concerning the Coinage of the Colony and the public bills of credit of the province of the Massachusetts Bay. By Andrew McFarland Davis. 8°. Pp. 191-211.

Rainfall in South Australia and the Northern Territory during 1895; with Weather Characteristics of each Month. By Charles Todd, K. C. M. G., M. A., F. R. S., etc. Government astronomer, etc. P. 75 and charts. 4°. Adelaide, 1897.

Report of the Condition and Progress of the G. V. Juggarow Observatory, Vizagapatam, including the results of observations for the year 1896. Published by the General Committee, G. V. Juggarow Observatory, Vizagapatam. 8°. P. 38 and charts. Calcutta, 1897.

Report of the Meteorological Council, for the year ending March 31, 1897, to the President and Council of the Royal Society. P. 123. 8°. London, 1897.

Smithsonian Miscellaneous Collections. 1087. A catalogue of Earthquakes on the Pacific Coast 1769 to 1897, by Edward S. Holden, L. L. D., Member of the National Academy of Sciences. 8°. P. 253. Washington, 1897.

Transactions of the Astronomical and Physical Society of Toronto, for the year 1897, including eighth annual report. P. x-154-6. 8°. Toronto, 1898.

The 7-Day Auroral Period and the Moon. By H. Helm Clayton. 8°. Pp. 81-87. From the American Journal of Science. Vol. V. 1898.

[U. S.] Department of the Interior, U. S. Geological Survey. Charles D. Walcott, Director. Report of Progress of Stream Measurements for the Calendar Year 1896. By Author Powell Davis. Extract from the Eighteenth Annual Report of the Survey, 1896-1897. Part IV—Hydrography. P. 408. 4°. Washington, 1897.

[U. S.] Hydrographic Office. No. 100. Sailing Directions for the Gulf and River St. Lawrence. Second edition. 8°. P. viii-413. Washington, 1897.

[U. S.] Department of the Interior. Water Supply and Irrigation papers of the United States Geological Survey. No. 10. Irrigation in Mesilla Valley, New Mexico. [F. C.] Barker. P. 51. 8°. Washington, 1898.

Veröffentlichungen des K. Preuss. Meteorologischen Instituts herausgegeben durch dessen Direktor Wilhelm von Bezold. Ergebnisse der Magnetischen Beobachtungen in Potsdam im Jahre 1896, und Internationale magnetische simultanbeobachtungen 1896. 4°. P. 43-xxxiii und karten. Berlin, 1898.

Weather Harmonics by H. Helm Clayton. 4°. P. 4. Reprinted from Science. N. S. Vol. VII. No. 164.

Year-Book of the Royal Society [London] 1897-1898. 8°. P. 172. London, 1898.

Zusammenstellung der Monats- und Jahres-Mittel der Privat-Wetterwarte für die "Isis" zu Meissen im Jahre 1897. Bearbeitet von Karl Gebauer. 8°. P. 7 und Karte. Meissen, 1898.

METEOROLOGICAL OBSERVATIONS AT PORT AU PRINCE, HAYTI.

Through the kind cooperation of Prof. T. Scherer of Port au Prince, Hayti, the meteorological observations taken by him at 7 a. m., local time, or 11:49 a. m., Greenwich time, are communicated in manuscript for early publication in the MONTHLY WEATHER REVIEW. By entering these on the monthly and annual charts, published by the Weather Bureau, we obtain an important extension southeastward of our field of study. The observations are taken 1^h 11^m earlier than those of the Weather Bureau telegraph system. The original reports are in metric measures; the conversions are by the Editor.

The barometer is 119 feet above sea level; its readings have been corrected by Professor Scherer for temperature, elevation, and gravity, this latter correction is -0.064 inch; the thermometers are 6.7 feet above ground; the rain gauge, 7.2 feet above ground. The wind velocity is given in miles per hour.

The position of Port au Prince, Hayti, is latitude 18° 34' N., longitude 72° 21' W., or 4^h 49^m west of Greenwich. Additional records for this station are published in the annual volume of the Central Meteorological Institute at Vienna.

Observations at Port au Prince, Hayti.

MARCH, 1898.

Date.	Barometer reduced.	Temperature.		Rel. humidity.	Wind.		Clouds.			Preceding 24 hours.		
		Air.	Dew-point.		Direction.	Velocity.	Kind.	Amount.	Direction.	Total rain.	Temperature.	
											Max.	Min.
	<i>Inches</i>	°	°	°						<i>Inch.</i>	°	°
1.....	29.96	68.0	60.3	90	e.	2	cs	3	.....	0.00	85.5	66.9
2.....	30.02	72.1	60.6	75	ese.	4	cs	1	.....	0.00	91.4	70.3
3.....	30.00	72.5	60.4	53	ese.	4	ak	1	sw.	0.00	91.4	70.9
4.....	30.04	73.8	55.6	62	ene.	4	k	2	.....	0.59	91.2	71.6
5.....	30.06	71.2	63.7	91	.....	0	cs	2	.....	0.32	86.0	69.8
6.....	30.04	72.3	60.6	33	.....	0	s	1	.....	0.23	87.4	69.3
7.....	29.98	73.6	60.6	76	.....	0	ek	6	w.	0.63	86.0	70.0
8.....	29.95	71.6	66.0	96	ne.	2	n	10	.....	0.00	84.4	69.8
9.....	29.93	72.9	64.9	33	.....	0	k	2	.....	0.16	85.3	70.3
10.....	29.96	69.6	62.4	92	e.	2	.....	0	.....	0.00	85.6	68.0
11.....	29.95	72.3	56.3	67	se.	9	.....	0	.....	0.00	85.6	67.6
12.....	29.96	74.8	54.0	56	e.	9	k	2	.....	0.00	86.4	69.8
13.....	30.00	68.0	50.2	58	e.	7	.....	0	.....	0.00	84.7	68.0
14.....	30.01	67.3	48.6	54	ne.	11	.....	0	.....	0.00	85.8	66.2
15.....	30.04	67.3	50.7	61	se.	4	cs	1	.....	0.00	86.5	64.9
16.....	30.06	71.7	52.5	59	se.	7	.....	0	.....	0.00	87.3	67.8
17.....	30.04	70.7	53.6	61	ese.	9	.....	0	.....	0.00	89.1	69.1
18.....	30.06	70.9	53.8	71	se.	11	.....	0	.....	0.00	87.8	68.5
19.....	30.10	70.2	54.9	68	e.	9	.....	0	.....	0.00	89.4	68.5
20.....	30.13	71.6	54.0	62	se.	9	.....	0	.....	0.00	89.6	68.5
21.....	30.12	72.0	51.8	55	e.	9	.....	0	.....	0.00	90.5	70.0
22.....	30.11	69.4	57.6	73	ese.	2	.....	0	.....	0.00	89.8	66.6
23.....	30.12	73.6	57.4	67	ese.	2	.....	0	.....	0.00	93.6	69.3
24.....	30.12	72.0	57.2	70	ese.	2	k	6	.....	0.00	89.1	69.3
25.....	30.10	71.4	59.5	73	.....	0	.....	1	.....	0.00	88.7	68.2
26.....	30.10	75.2	54.0	55	ese.	7	.....	0	.....	0.00	89.2	73.4
27.....	30.05	70.3	51.1	56	se.	4	.....	0	.....	0.00	90.5	67.5
28.....	30.01	74.1	54.0	57	.....	0	k	2	ne.	0.00	88.3	70.7
29.....	30.04	73.9	54.1	58	se.	9	s	1	.....	0.00	88.5	69.3
30.....	30.06	72.1	52.0	57	se.	11	k	10	wnw.	0.00	88.3	70.3
31.....	30.06	72.0	58.3	72	ese.	7	cs	4	.....	0.00	88.2	68.9
Sum..	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.92	.....	.....
Means.	30.04	71.6	56.5	69.5	.....	.....	.....	2.5	.....	.....	88.2	69.1

MEXICAN CLIMATOLOGICAL DATA.

Through the kind cooperation of Señor Mariano Bárcena, Director, and Señor José Zendejas, vice-director, of the Central Meteorologico-Magnetic Observatory, the monthly summaries of Mexican data are now communicated in manuscript, in advance of their publication in the *Boletín Mensual*; an abstract translated into English measures is here given in continuation of the similar tables published in the MONTHLY WEATHER REVIEW during 1896. The barometric means have not been reduced to standard gravity, but this correction will be given at some future date when the pressures are published on our Chart IV.

Mexican data for March, 1898.

Stations.	Altitude.	Mean barometer.	Temperature.			Relative humidity.	Precipitation.	Prevailing direction.	
			Max.	Min.	Mean.			Wind.	Cloud.
Aguascalientes.....	6,106	23.87	82.0	42.8	66.2	32	0.00	sw.	w.
Arteaga (Coahuila).....	.....	.....	92.1	35.8	70.7	.....	0.12	.....	.....
Barousse (Coahuila).....	5,414	.....	86.4	27.7	67.8	.....	0.71	.....	.....
Colima (Sem.).....	.....	.....	.....	.....	73.9	.....	.....	.....	.....
General Cepeda.....	.....	.....	97.7	29.3	67.5	.....	1.69	.....	.....
Leon.....	5,934	24.25	86.5	37.6	65.2	32	T.	ws.	ws.
Linares (New Leon).....	1,188	28.70	94.3	48.2	68.9	75	1.01	se.	.....
Magdalena (Sonora).....	4,948	.....	.....	.....	60.8	.....	0.24	ne.	n.
Merida (Yucatan).....	50	29.93	96.5	57.6	78.8	57	0.53	ese.	se.
Mexico (Obs. Cent.).....	7,472	23.02	84.2	39.2	62.2	44	0.69	nw.	sw.
Morelia (Seminario).....	6,401	23.93	85.8	43.0	65.1	52	0.28	sw.	w.
Oaxaca.....	5,164	25.04	91.0	43.0	71.6	51	0.36	sw.	sw.
Parros (Coahuila).....	3,986	.....	90.0	29.3	68.7	.....	0.59	.....	.....
Saltillo (Col. S. Juan).....	5,399	24.73	90.5	27.9	63.9	69	0.35	n.	n.
San Isidro (Hac. de).....	.....	.....	78.8	54.5	.....	.....	.....	w.	.....
San Luis Potosi.....	6,202	24.09	83.8	37.6	64.6	60	0.25	e.	w.
Silao (Guanajuato).....	6,063	24.23	82.9	46.6	67.6	48	T.	nw.	w.
Torreón (Coahuila).....	3,720	.....	94.1	32.2	70.9	.....	0.68	.....	.....
Tuxpan (Vera Cruz).....	.....	.....	93.2	48.2	68.4	71	0.06	se.	ne.
Tuxtla (Gutiérrez).....	1,864	28.10	99.7	54.7	78.3	61	T.	.....	.....
Zacatecas.....	8,015	22.48	83.1	28.8	60.4	38	0.08	.....	.....
Zapotlan (Seminario).....	5,078	.....	86.4	45.7	70.0	45	0.00	.....	.....